


FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. UC086.1CPDV3C1	APPLICATION NO. 10/024,686
	APPLICANT Tsien et al.	
	FILING DATE December, 17 2001	GROUP 1652

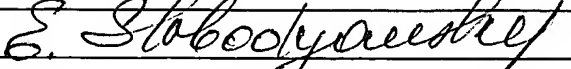
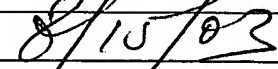
EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	1.	Chalfie, "Green Fluorescent Protein," Photochemistry and Photobiology, vol. 62, no. 4, 1995, pages 651-656

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
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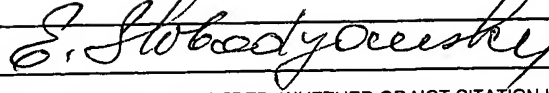
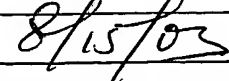
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	FILING DATE December, 17 2001	GROUP 1652

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Kolberg, Rebecca, "Jellyfish Protein Lights Up Cells' Lives," <u>Journal of NIH Research</u> , Vol 5, pp. 44-47 (April 1994)

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INFORMATION DISCLOSURE STATEMENT  
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APPLICANT: Tsien et al.

FILING DATE:  
April 9, 1998

GROUP:  
1646 1652

J1040 U.S. PTO  
10/024686



U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
ES	P1	4,868,103	9/19/89	Stavrianopoulos et al.			
	P2	5,070,012	12/3/91	Nolan et al.			
	P3	5,134,232	7/28/92	Tsien et al.			
	P4	5,264,563	11/23/93	Huse			
	P5	5,283,173	2/1/94	Fields et al.			
	P6	5,314,936	02/09/82	Yaron et al.			
	P7	5,439,797	8/8/95	Tsien et al.			
	P8	5,491,084	02/13/96	Chalfie			
	P9	5,625,048	04/29/97	Tsien et al.			
	P10	5,741,668	4/21/98	Ward			
	P11	5,777,079	7/7/98	Tsien et al.			
ES	P12	5,804,387	9/8/98	Cormack et al.	✓	✓	

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*E. Slobodyansky*

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*8/10/03*

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INFORMATION DISCLOSURE STATEMENT  
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APPLICANT: Tsien et al.

FILING DATE:  
April 9, 1998

GROUP:  
~~1646~~ 1682

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
E2	F1	WO 91/01305	02/07/91	PCT	—	—		
	F2	WO 94/28166	12/08/94	PCT	—	—		
	F3	WO 95/07463	03/16/95	PCT	—	—		
	F4	WO 95/21191	08/10/95	PCT	—	—		
	F5	WO 96/23810	08/08/96	PCT	—	—		
	F6	WO 96/23898	08/08/96	PCT	—	—		
	F7	WO 96/27027	09/06/96	PCT	—	—		
	F8	WO 96/27675	09/12/96	PCT	—	—		
	F9	WO 97/11094	3/27/97	PCT	—	—		
	F10	WO 97/28261	08/07/97	PCT	—	—		
	F11	0 428 000 A1	05/22/91	EPO	—	—		

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*E. Shobdyansky*

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## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT: Tsien et al.

FILING DATE:  
April 9, 1998GROUP:  
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## OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

89	D1	Baldwin et al., Biochemistry 29:5509-9915 (1990)
	D2	Chalfie et al., Science 263:802-805 (1994)
	D3	Cody et al., Biochemistry 32:1212-1218 (1993)
	D4	Cubitt et al., Trends in Biochem. Sci. 20:488-455 (1995)
	D5	Delagrave et al., Bio/Technology 13:151-154 (1995)
	D6	Deschamps et al., Protein Expression and Purification, 6:555-558 (1995)
	D7	Giuliano et al., Ann. Rev. Biophys. Biomol. Struct. 24:405-434 (1995)
	D8	Ehrig et al., FEBS Letters 367:163-166 (1995)
	D9	Heim et al., Current Biology, 6:178-182 (1996)
	D10	Heim et al., Proc. Natl. Acad. Sci. U.S.A. 91:12501-12505 (1994)
	D11	Heim et al. Nature 373:663-664 (1995)
	D12	Heim et al., Current Biology 6:178-182 (February 1996)
	D13	Inouye et al., FEBS Letters 341:277-280 (1994)
	D14	Kain et al, BioTechniques 19:650-655 (1995)
	D15	Levine et al., Comp. Biochem. Physiol. 728:77-85 (1982)
	D16	Marshall et al., Neuron 14:211-215 (1995)
	D17	Mitra et al., Gene, 173:13-17 (1996)
	D18	Muhlrade et al., Yeast 8:79-82 (1992)
	D19	Norris et al., Plant Molecular Biology, 24:673-677 (1994)
89	D20	Perozzo et al., J. Biol. Chem. 263:7713-7716 (1988)

EXAMINER

S. Slobodyan

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2/10/03

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INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

APPLICANT: Tsien et al.

FILING DATE:  
April 9, 1998

GROUP:  
~~1646~~

10/024,686

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38	D21	Prasher et al., Gene 111:229-233 (1992)
	D22	Rizzuto et al., Current Biology 5:635-642 (1995)
	D23	Roth, Thesis from the Graduate Program in Biochemistry from Rutgers, the State University of New Jersey (1985)
	D24	Sala-Newby et al, Biochem. J. 279:727-732 (1991)
	D25	Stearns, Current Biology 5:262-264 (1995)
	D26	Surpin et al., Photochem. Photobiol. 49:Abstract, 25S (1989)
	D27	Wang et al., Nature 369:400-403 (1994)
	D28	Ward, in Bioluminescence and Chemiluminescence (eds. DeLuca et al., 235-242 (Academic Press, New York, 1981)
	D29	Ward et al., Biochemistry 21:4535-4540 (1982)
	D30	Ward et al., Photochem. Photobiol. 35:803-808 (1982)
39	D31	Wilbanks et al., J. Biol. Chem. 268:1226-1235 (1993)

EXAMINER

E. Slobodyan

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8/15/98

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT:  
R. Tsien et al.FILING DATE  
4/9/98GROUP  
1646  
1652

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							

## OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

82	AQ	S. Delagrave and D. Youvan, "Searching sequence space to engineer proteins: exponential ensemble mutagenesis," <i>Bio/Technology</i> . 11:1548-1552 (December, 1993).
	AR	
	AS	

EXAMINER

E. Stobdyourkey

DATE CONSIDERED

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PTO 892 DEA/FCE 1994 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  NOTICE OF REFERENCES CITED	SERIAL NUMBER  09/057,995	Art Unit  1652	Attachment to Paper Number  10
APPLICANT(S) : Tsien et al.			

31040 U.S. PTO  
10/024686

12/17/01

U.S. PATENT DOCUMENTS

*	DOCUMENT NUMBER	DATE	NAME(S)	CLASS	SUBCLASS	FILING DATE
	<del>5,401,084</del>	<del>2/13/90</del>	<del>Chalfie et al.</del>	<del>435</del>	<del>189</del>	<del>9/10/93</del>

FOREIGN PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS	PERTINENT DRW SPEC

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	<del>Wood et al. (1989) J. bioluminescence and chemiluminescence, Vol. 4, pages 289-301.</del>

EXAMINER  Elizabeth Slobodyansky, PhD	DATE  9/24/99	* A COPY OF THIS REFERENCE IS NOT BEING FURNISHED WITH THIS OFFICE ACTION. (SEE MPEP SECTION 707.05(a).  PAGE 1 OF 1
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*cited ->  
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42*